

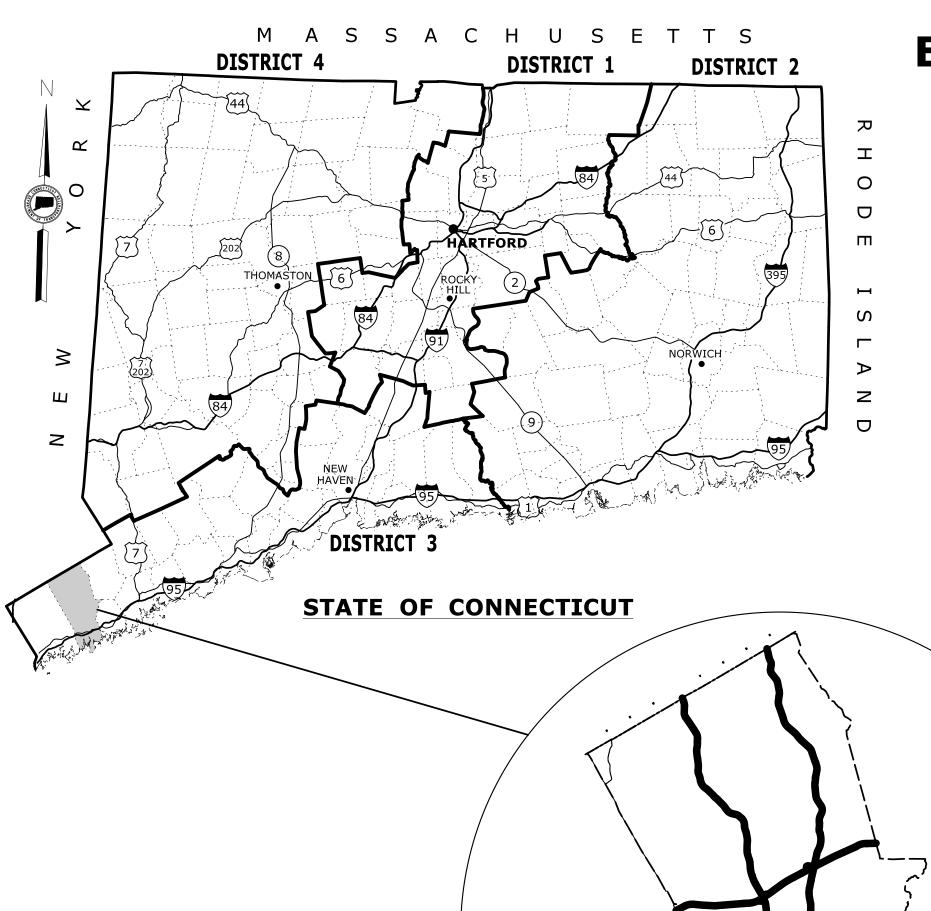
CONNECTICUT DEPARTMENT OF TRANSPORTATION

CONNECTICUA OF TRANS

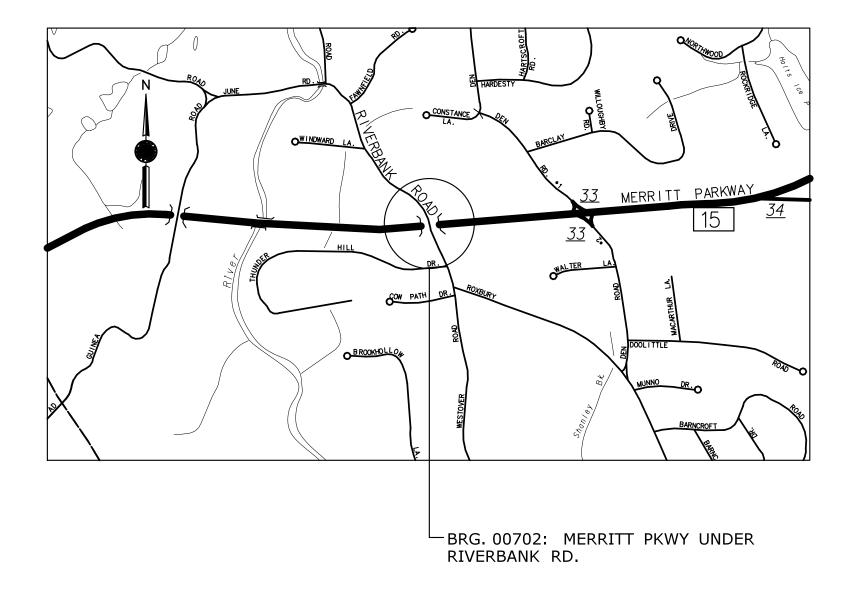
Plans For

MERRITT PARKWAY (ROUTE 15)
SAFETY IMPROVEMENTS, RESURFACING,
ENHANCEMENTS, AND BRIDGE IMPROVEMENTS

Town(s)/City of CITY OF STAMFORD



LIST OF DRAWINGS VOLUME 02, SUBSET 5 - STRUCTURES					
DRAWING TITLE	DRAWING NO.				
TITLE SHEET	S-0				
GENERAL NOTES AND QUANTITIES RIVERBANK ROAD	S-1				
GENERAL PLAN BRIDGE NO. 00702 RIVERBANK ROAD	S-2				
STAGE CONSTRUCTION BRIDGE NO. 00702	S-3				
STAGE CONSTRUCTION - MP&T BRIDGE NO. 00702	S-4				
TYPICAL CONCRETE REPAIR DETAILS	S-5				
TYPICAL CONCRETE REPAIR DETAILS 2	S-6				
ORIGINAL PLANS	S-7 TO S-11				



LOCATION PLAN

NOT TO SCALE

3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM N.A.D. 1983

4. VERTICAL DATUM BASED ON NGVD OF 1929

1. FEDERAL AID PROJECT NO. 6135(013)

2. CONSTRUCTION SPECIFICATIONS:

THIS PROJECT IS COMBINED WITH THE FOLLOWING PROJECTS:

AND CHANGE ORDERS

CONNECTICUT DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS

FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 816, DATED 2004;

SUPPLEMENTAL SPECIFICATIONS, DATED JANUARY 2013; AND SPECIAL PROVISIONS

-PROJECT No. 135-270 -PROJECT No. 89-125

GENERAL NOTES:

-PROJECT No. 89-12:

-PROJECT No. 89-126

-PROJECT No. 135-304 -PROJECT No. 303-007

*THE INITIAL VOLUME &
SUBSET SHEET COUNT DOES
NOT INCLUDE ADDENDUMS

	VOLUME 02 SUBSETS	
SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUI
01	PROJECT 135-270	80
02	PROJECT 89-125	12
03	PROJECT 89-126	11
04	PROJECT 135-304	10
05	PROJECT 135-316	12
06	TYPICAL BREAKAWAY SIGNPOST	7

CITY OF STAMFORD

	STANDARD CON	VENTIONS	
orth Arrow W/No. Coor.	Grid Arrow Limit Of Marsh	Chain Link Fence Rustic Fence Pipe Fence	Riprap & Hedge Row Tree Line Shrub
oncrete Pavement	Stone Wall	Board Fence	Evergreen Tree
irt Road	Ledge Outcrop == == ==	Water Edge	Deciduous Tree
.C.L.C. ranite Curb	Inland Wetland Limits	Stream	Highway Line
uide Rail	STATE LINE	Ditch	Street Line
oncrete Median Barrier	Power Line	TOWN LINE	Property Line
ailroad Tracks	Building		Easement Line
	Transmission Tower		

THE DESIGN APPEARS TO CONFORM TO APPLICABLE CRITERIA. APPROVAL IS NOT TO BE CONSTRUED TO MEAN THAT ALL ASPECTS OF THE DESIGN HAVE BEEN PERSONALLY CHECKED BY THE UNDERSIGNED.

TOWN

TRANSPORTATION PRINCIPAL ENGINEER

Plans For
MERRITT PARKWAY (ROUTE 15)
SAFETY IMPROVEMENTS, RESURFACING,
ENHANCEMENTS, AND BRIDGE IMPROVEMENTS

Town(s)/City
TOWN OF NEW CANAAN

STATE PROJECT NO.

135-316

SHEET NO.

NOTICE TO BRIDGE INSPECTORS

THE DEPARTMENT'S BRIDGE SAFETY PROCEDURES REQUIRE THIS BRIDGE TO BE INSPECTED FOR, BUT NOT LIMITED TO, ALL APPROPRIATE COMPONENTS INDICATED IN THE GOVERNING MANUALS FOR BRIDGE INSPECTION. ATTENTION MUST BE GIVEN TO INSPECTING THE FOLLOWING SPECIAL COMPONENTS AND DETAILS. THE LISTING FOR COMPONENTS FOR SPECIFIC ATTENTION SHALL NOT BE CONSTRUCTED TO REDUCE THE IMPORTANCE OF INSPECTION OF ANY OTHER COMPONENT OF THE STRUCTURE. THE FREQUENCY OF INSPECTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE GOVERNING MANUALS FOR BRIDGE INSPECTION, UNLESS OTHERWISE DIRECTED BY THE MANAGER OF BRIDGE SAFETY AND EVALUATION.

COMPONENT OR DETAIL	BRIDGE SHEET REFERENCE
FOLLOW NORMAL INSPECTION PROCEDURES	-

INSPECTION OF F	FIELD	WELDS
METHOD	UNIT	AMOUNT
ULTRASONIC	IN	0
MAGNETIC PARTICLE	FT	0

CONCRETE DISTRIBUTION							
ITEM	UNIT	AMOUNT					
SUPERSTRUCTURE	FT ³	-					
SUBSTRUCTURE	FT ³	-					
FOOTINGS	FT ³	-					
TOTAL	FT ³	-					

	ξ	Co. No.	0000	92/8/ 92/5/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	95 05 05 05 05 05 05 05 05 05 05 05 05 05	04061	47.75 O80	05025	0601	060,	060,	060,	48924	060,	060,	060,	0603	0603	25° /00° /00° /00° /00° /00° /00° /00° /0	082,	08232	1005	1805	1805	180	1802/V
PROJECT	SITE LOCATION SITE LOCATION	2	REMOVAL OF HMA WEARING SURFACE	REMOVAL OF CONCRETE PAVEMENT	CUT BITUMINOUS CONCRETE PAVEMENT	HMA S0.5	MATERIAL FOR TACK COAT	CLEAN HISTORIC CONCRETE BRIDGE (SITE NO. 2)	PARTIAL DEPTH PATCH	CLASS 'S' CONCRETE FOR HISTORIC BRIDGES	COLOR MATCHING OF CONCRETE	COLOR-MATCHED CRACK SEALANT FOR CONCRETE	VARIABLE DEPTH PATCH FOR HISTORIC CONCRETE BRIDGES	RESTORATION OF ORNAMENTAL HISTORIC CONCRETE	REMOVAL OF GRAFFITI FROM HISTORIC CONCRETE	TESTING AND ANALYSIS OF HISTORIC CONCRETE	DRILLING HOLES AND GROUTING DOWELS	EMBEDDED GALVANIC ANODE	MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	MERRITT PARKWAY BARRIER	TEMPORARY PRECAST CONCRETE BARRIER CURB	RELOCATED TEMPORARY PRECAST CONCRETE BARRIER CURB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 700 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 1400 LB	TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A MODULE 2100 LB	RELOCATION OF TEMPORARY IMPACT ATTENUATION SYSTEM TYPE A
135-316	SITE NO. 2: BRG 00702 - MP UNDER RIVERBANK ROAD	C.Y.	S.Y.	S.Y.	L.F.	TON	GAL	L.S.	C.F.	C.F.	EA.	L.F.	C.F.	C.F.	S.F.	EA.	EA.	EA.	S.Y	L.F.	L.F.	L.F.	EA.	EA.	EA.	EA.
	SUBTOTAL	3	235	50	215	62	5	1	64	130	3	15	10	3	12	1	24	195	300	70	220	220	2	8	4	2
	UNASSIGNED	_	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-
	TOTAL	3	235	50	215	62	5	1	64	130	3	15	10	3	12	1	24	195	300	70	220	220	2	8	4	2

GENERAL NOTES

<u>SPECIFICATIONS:</u> CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 816 (2004), SUPPLEMENTAL SPECIFICATIONS DATED JULY, 2012 AND SPECIAL PROVISIONS.

<u>DESIGN SPECIFICATIONS:</u> AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (2010), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORATAION BRIDGE DESIGN MANUAL 2003 AND MERRITT PARKWAY BRIDGE RESTORATION GUIDE (2002).

MATERIAL PROPERTIES:

CLASS 'S' CONCRETE: F'C = 4000 PSI CLASS 'S' CONCRETE FOR HISTORIC BRIDGES: F'C = 3000 PSI REINFORCEMENT: ASTM A615 GRADE 60, FY = 60 KSI

FUTURE PAVING ALLOWANCE: NONE

TRAFFIC: ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISIONS 'MAINTENANCE AND PROTECTION OF TRAFFIC' AND 'PROSECUTION AND PROGRESS'

<u>CONCRETE REPAIRS:</u> ALL CONCRETE REPAIRS SHALL BE HISTORIC UNLESS SPECIFIED OTHERWISE.

SALVAGE: NONE

<u>UTILITIES:</u> THE CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITIES BEFORE BRIDGE WORK BEGINS. REFER TO NOTICE TO CONTRACTOR - NOTIFICATION OF ULTILITIES.

<u>DIMENSIONS:</u> ALL DIMENSIONS SHOWN ON THE PLANS ARE IN FEET AND INCHES UNLESS NOTED OTHERWISE. ALL ELEVATIONS ARE GIVEN IN FEET. WHEN ELEVATIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING DIMENSIONS: THE DIMENSIONS SHOWN ARE APPROXIMATE AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" X 1" UNLESS DIMENSIONED OTHERWISE.

CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE 2" COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, GRADE 60.

ALL REINFORCEMENT SHALL BE UNCOATED.
THE COST OF FURNISHING AND PLACING THIS REINFORCEMENT SHALL
BE INCLUDED IN THE ITEM "DEFORMED STEEL BARS".

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

BITUMINOUS CONCRETE OVERLAY: THE PAVEMENT SHALL CONSIST OF HMA S0.5. THE TOP COURSE SHALL HAVE A UNIFORM 2" THICKNESS.

STAGING OF BRIDGE WORK: STAGING ALONG THE MERRITT PARKWAY FOR WORK AT THE BRIDGE SHALL BE COORDINATED WITH THE STAGING ALONG THE MERRITT PARKWAY FOR ROADWAY WORK.

TRAFFIC CONTROL ON BRIDGE: THE CONTRACTOR SHALL NOTIFY THE CITY OF STAMFORD AND THE CITY'S TRAFFIC AUTHORITY OF HIS INTENTION TO ESTABLISH M&PT CONTROLS A MINIMUM OF ONE MONTH IN ADVANCE OF SUCH TRAFFIC CONTROL. REFER TO PROSECUTION AND PROGRESS FOR CONTACT INFORMATION.

RECONSTRUCTION OF RIVERBANK ROAD: PRIOR TO EXCAVATION, THE CONTRACTOR SHALL SURVEY THE EXISTING ROADWAY CENTER LINE AND GUTTER LINE PROFILES TO RE-ESTABLISH THE FINAL ROADWAY TO MATCH THE EXISTING.

INTRADOS AND FRAME UNDERSIDE REPAIRS: THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION MEANS AND METHODS ARE THOROUGHLY CONSIDERED FOR ANY REPAIRS TO THE INTRADOS OR FRAME UNDERSIDES OF THE BRIDGES. CONSTRUCTION TECHNIQUES SHOULD BE IN PLACE THAT ALLOW FOR QUALITY CONTROL AND QUALITY ASSURANCE AND THOSE TECHNIQUES SHOULD BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW PRIOR TO ANY ATTEMPTED UNDERSIDE REPAIRS. REFER TO THE SPECIAL PROVISIONS FOR REQUIREMENTS REGARDING DETAILS OF THE SUBMITTAL.

EXISTING LOW CLEARANCE: LOW VERTICAL CLEARANCES BETWEEN THE ROADWAY AND THE UNDERSIDE OF BRIDGE FASCIA ARE DENOTED BY "LC". THESE CLEARANCES ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND MUST BE VERIFIED BY THE CONTRACTOR. FORMWORK AND FALSEWORK MUST MAINTAIN MINIMUM VERTICAL CLEARANCES AS DENOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

HEAVY EQUIPMENT: THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A LIST OF PROPOSED EQUIPMENT FOR USE ON THE BRIDGE. THE USE OF VIBRATORY ROLLERS ON THE BRIDGE IS PROHIBITTED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STRUCTURAL INTEGRITY OF THE BRIDGE DURING CONTRACT OPERATIONS.

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_	-	-	-	THE INFORMATION, INCLUDING ESTIMATED
-	-	-	-	QUANTITIES OF WORK, SHOWN ON THESE T SHEETS IS BASED ON LIMITED
-	-	-	-	INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE
-	-	-	-	THE CONDITIONS OF ACTUAL QUANTITIES
_	-	-	-	OF WORK WHICH WILL BE REQUIRED.
-	-	-	-	

SHEET NO. Plotted Date: 2/20/2013

REVISION DESCRIPTION

REV. DATE

JRS/MC

BY:

KVB

SCALE AS NOTED

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_135-316_Brg702_Title_Sheet.dgn

OFFICE OF ENGINEERING

MERRITT PARKWAY (ROUTE 15)
SAFETY IMPROVEMENTS, RESURFACING,
ENHANCEMENTS AND BRIDGE IMPROVEMENTS

STAMFORD

GENERAL NOTES

AND QUANTITIES

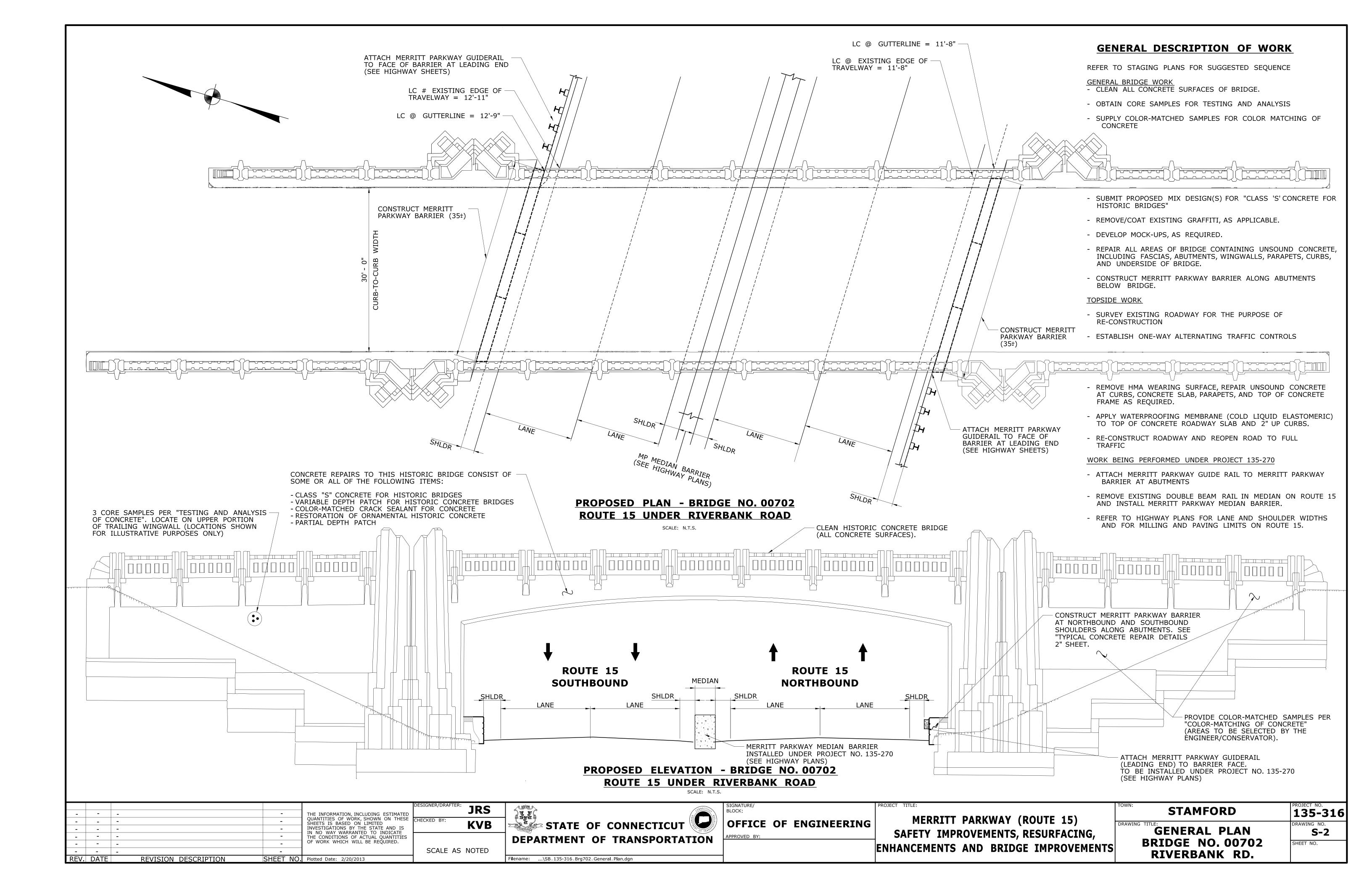
RIVERBANK ROAD

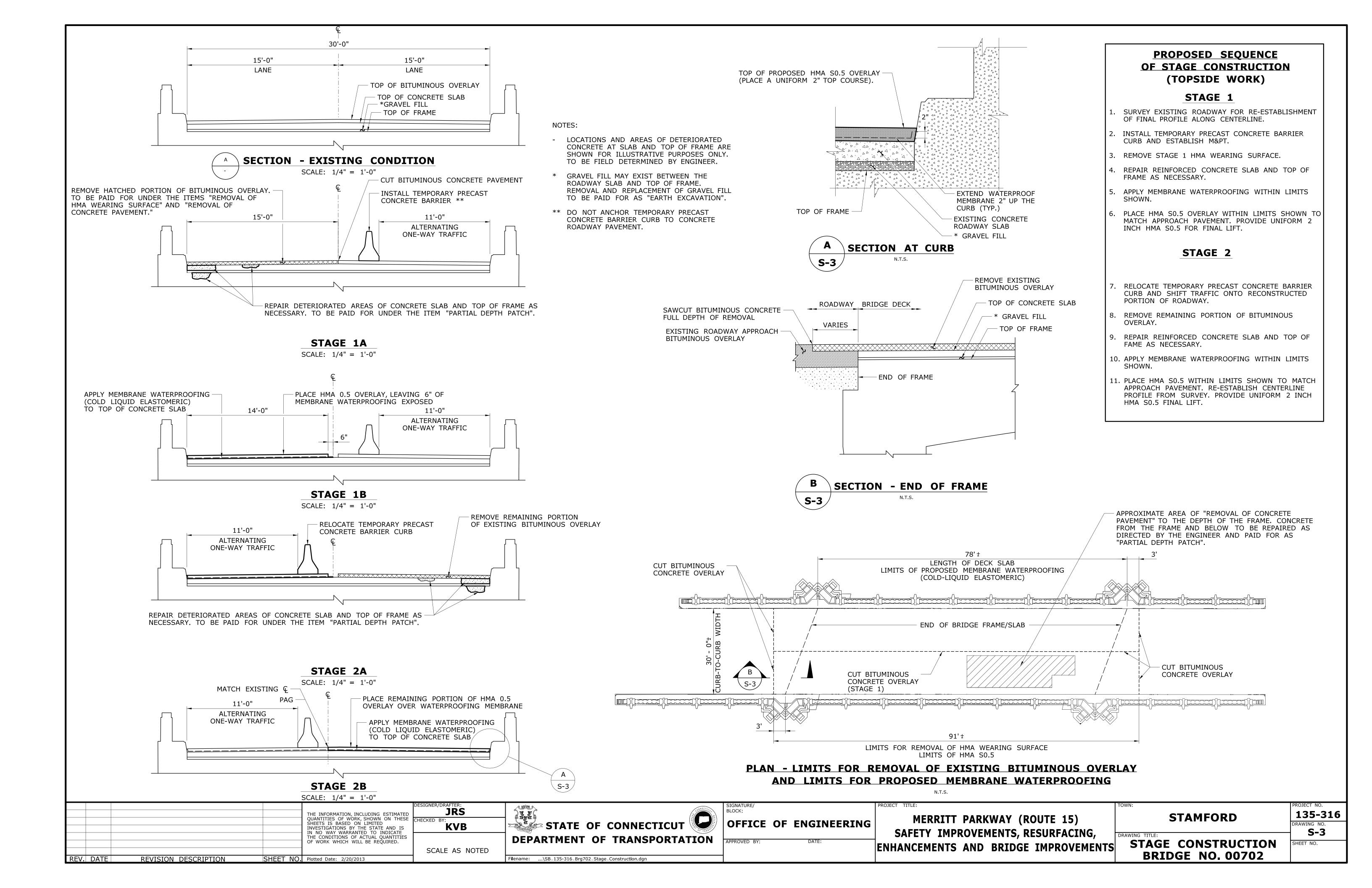
135-316

DRAWING NO.

S-1

SHEET NO.



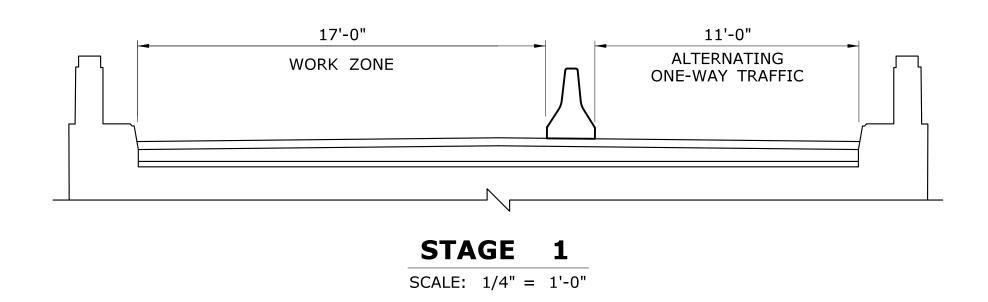


BRIDGE JOINT -— 12" TEMPORARY STOP BAR -BRIDGE JOINT 31-0557 LIMITS OF PAVEMENT REMOVAL √ (STOP) RIVERBANK ROAD 31-0557 (STOP) 12" TEMPORARY STOP BAR 4" WHITE TEMPORARY PAVEMENT MARKINGS (PROVIDE 1'SHOULDER) LIMITS OF PAVEMENT REMOVAL —

31-0557 (STOP) - 12" TEMPORARY RIVERBANK ROAD • 31-0557 (STOP) LIMITS OF PAVEMENT REMOVAL LIMITS OF PAVEMENT REMOVAL -BRIDGE JOINT ___12" TEMPORARY STOP BAR BRIDGE JOINT -4" WHITE TEMPORARY PAVEMENT MARKINGS

STAGE CONSTRUCTION NOTES:

- MAINTAIN TRAFFIC OPERATIONS AT ALL TIMES IN ACCORANCE WITH CONTRACT SPECIAL PROVISIONS SECTION 1.08 - PROSECUTION AND PROGRESS AND ITEM NO. 0971001A - MAINTENANCE AND PROTECTION OF TRAFFIC.
- EACH STAGE SHALL BE FUNCTIONALLY COMPLETE, AS DETERMINED BY THE ENGINEER, BEFORE ANY SUBSEQUENT STAGES MAY BE IMPLEMENTED.
- THE CONTRACTOR SHALL SUBMIT ANY PROPOSED VARIATIONS TO THE STAGE CONSTRUCTION PLANS TO THE ENGINEER FOR APPROVAL AT LEAST 30 DAYS BEFORE THE NEXT SCHEDULED STAGE CHANGE.
- ALL TPCBC SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD DRAWING.
- EXISTING CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED WITHIN THE PROJECT LIMITS. BLACK LINE MASK PAVEMENT MARKING TAPE SHALL BE USED TO COVER EXISTING CONFLICTING PAVEMENY=T MARKINGS OUTSIDE OF THE LIMITS. CONFLICTING MARKINGS TO BE COVERED OR REMOVED INCLUDES THOSE OUTSIDE THE TRAVELWAY.



NOTE:

SEE TRAFFIC CONTROL PLAN NO. 18 INCLUDED IN ITEM NO. 0911001A - MAINTENANCE AND PROTECTION OF TRAFFIC SPECIAL PROVISION FOR SIGNING

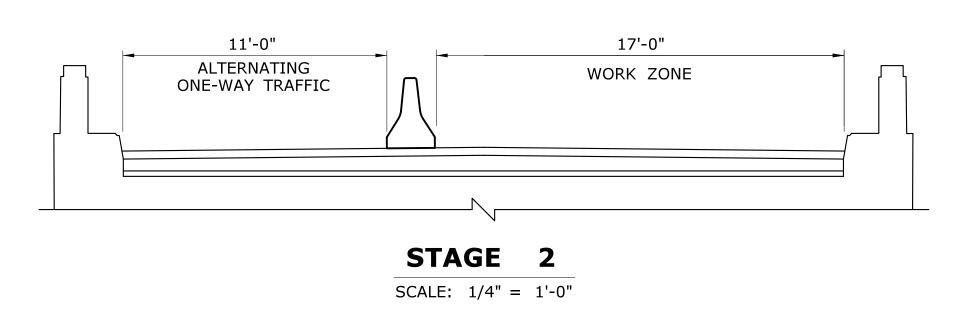
LEGEND:

DIRECTION OF TRAVEL CONSTRUCTION BARRICADE TYPE III

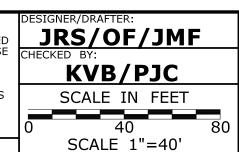
CONSTRUCTION AREA

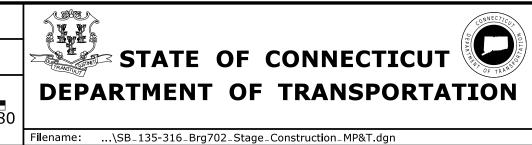
TEMPORARY PRECAST CONCRETE BARRIER CURB (W/DE-7C DELINEATORS)

TEMPORARY IMPACT ATTENUATOR (W/DE-9 DELINEATORS) (NUMBERS INDICATES MASS OF SAND IN LBS IN EACH BARREL)



-	-	-	-	THE INFORMATION, INCLUDING ESTIMATED
-	-	-	1	QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED
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-	-	-	_	IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES
-	-	-	-	OF WORK WHICH WILL BE REQUIRED.
-	-	-	-	
DE\/	DATE	DEVISION DESCRIPTION	SHEET NO	Plotted Date: 2/20/2013





OFFICE OF ENGINEERING

MERRITT PARKWAY (ROUTE 15) SAFETY IMPROVEMENTS, RESURFACING ENHANCEMENTS AND BRIDGE IMPROVEMENTS STAGE CONSTRUCTION - MP&T SHEET NO.

OWN:	
	STAMFORD
	_

135-316 DRAWING NO. **S-4**

BRIDGE NO.00702

